

ABSTRACT

The present invention relates to a multilayer structure with an excellent performance for preventing fuel permeation and, particularly, permeation of automobile fuel. More specifically, the present invention relates to a multilayer structure, having an excellent performance for preventing permeation of gasoline or gasohol (a mixture of gasoline and alcohol) in a high-temperature environment and excellent stress cracking resistance during gasohol immersion, which can be suitably used for fuel parts for the storage or transportation of fuel, such as a gasoline tank and tubes. The multilayer structure is characterized by comprising at least two layers of saponified ethylene-vinyl acetate copolymer layer and polyamide layer, the polyamide layer comprising 100 parts by weight of a polyamide resin and from 0.2 to 5 parts by weight of a layered silicate uniformly dispersed in the polyamide resin.